KANSAS

8-64

STEVENS

T.	R.
34	37w

13

●

MOBIL COMPANY

CUNNINGHAM ESTATE NO. 1

COMMENCED C SW SE

COMPLETED

ELEVATION
3146 DF

REMARKS TD 8714

Deepest Test in Kansas

PRODUCTION
131 BOPD
36,000 cfgpd

Kraftbilt 187 ROSS-MARTIN CO. TULSA 1, OKLAHOMA PRINTED IN U.S.A.

DSt#1: 5264-92, op 105",
GTS/5", TSTM/10", Ga
240,000 cfgpd/45";
Ga 310, 000 cfgpd/90";
100 R10' WCM, 280' MCO &
OCM, ISIP 1633/30";
FP's 37-111#, FSIP
1615#/105".
DSt #2: 6309-50, op 45,
200 FB/45", R 40' M, ISIP
343/30", FP's 39-39#,
FSIP 1676#/90".
DSt#3: 6522-56, op 30",
no blo, R 5' M, ISIP 60#/30
300 FP's 41-41#, FSIP 41#/60
DSt#4: 6606-36, VWB,
op 50", R 10' M, ISIP.
140#/30", FP's 23-23#,
FSIP 578#/90".
400 DSt#5: 6720-44, op
42", R 90' SGCM, ISIP
330#/30", FP 60-60#,
FSIP 333#/60".
DSt #6: 6752-74, op
500 37", GB, GTS/5", Max
Ga 120,000 cfgpd &
declined to 60,000,
Rec 6344' GC oil
(Gr 42.4°) + 160' OGCM
600 filtrate Wtr, ISIP
2105#/30", FP's 1657-
2056#, FSIP 2105#/60".
DSt #7: 6775-6806,
op 40", SB, died, R
700 4000' FLU = (270' GCMCSW
+ 3730' SW) ISIP
2116#/30", FP's 1652-
2107#, FSIP 2153#/75".
DSt #8: 7668-7755,

800 op 2hrs, no blo, R
30' VSGCM, SWC, 75'
SW, NSO, ISIP 2572/
30", FP's 42-100#,
FSIP 2329#/60".

900 Dst #9: 7770-7838,
op 1hr, R 10' M, ISIP
1648#/30", FP's 42-42#,
FSIP 1112#/60.

Dst #10: 8640-8710,
1000 op 5", SI/30", op
2hrs (tool fail) WB,
R 460' SMCSW, ISIP
2988#/30", FP's 107-
189#, FSIP 230#/60

1100

CORE #1: 6744-74, R
30'; 15 Lm st, gray,
dense, 15' Lm st, oolitic,
por w/oil odor, fluor.
1200 & stain, sho free oil
core.

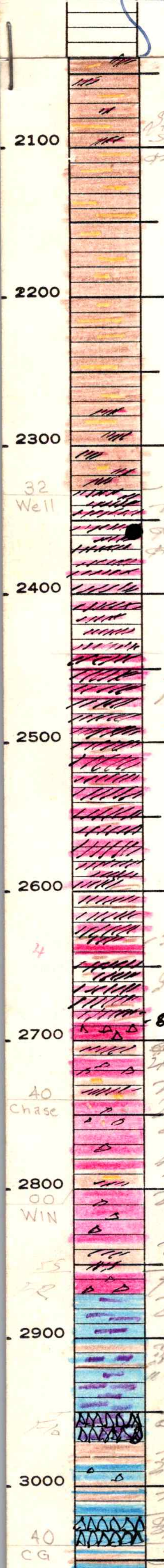
core #2: 6774-6806, R
32'; 1' Lm st oolitic
(as in #1) 22' Lm st
1300 med, xln, dense occas.
vert frac's w/occas
bleed oil from frac,
9' Lmst. oolit, f. gr.
good inter-oolit, poro
1400 w/good oil odor, stain
& fluor.

core #3: 7838-61, Rec.
23'; 6' tan, f. md xln,
lm st w/ spotted fluor,
1500 4' brn, fn, xln, argill,
dolo, 8' tan, fn, med,
xln dolo to sandy dolo,
5' brn, fn xln argill.
dolo w/spotted
1600 asphaltic residue.

Core #4: 8705-09, Rec.
3' & 7"; all red granite,
fractured

1700 Perf 48/6758-70, set pkr @
6754, Swb 11 BLO/90";
Swb 3 BNO/5½ hrs, Swb
½ BOPH/last 3 hrs, W/SG
(PBTD 6825'), Treat
1800 w/250 A, FL 400' OB,
$ 25 BLO + 5 BAW/6½
hrs, FLO 73 BNO/13½
hrs. - FTP 100-120#;
(FLO 4 BNO/last hr.)
1900 FLO 75 BNO/24 hrs. on
11/64" ch, TP 90#, Sep Pr
25# (Gr 48.1) + 2% wtr +
tr BS + 24,000 cfgpd/GOR
320-1.

2000 SAMPLES START @ 2040'



Stringers wh. f.g. sub. sst in rb sh. Streaks anhydrite in pt.

WG 2330

30 rb & gray but dominantly gray anhydritic sh

wh & g anhy dolo interbedded with v. col sh

Hollenberg 2635

35 lt. gr to f. xx mottled selenitic dolo
sh & anhyd as above

88 g. lt., suc to f. xln [illegible] dolo
anhy & rb sh
lt. g to lt., suc to f. xln sy dolo
rb sh, sdy anhydritic sh
lt. g to lt. suc to f. xln sy dolo. sh sdy at top
lt. mot suc dolo
rb sh, sdy anhydritic sh
lt. g, suc to f. xln sh dolo

rd anhydritic sh

55 lt., suc sy dolo
lt. g to lt. suc to f. xln dolo
[illegible]

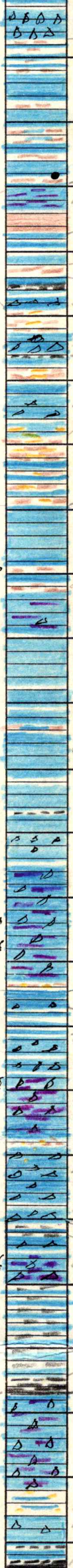
Ft Riley 2855

Florence 2950

50 chert as above but with [illegible] fusulinids
[illegible]
lt. g to lt. [illegible]

Winfield 3020

rb & gray sh
[illegible]
lt. g to lt. [illegible]
rb gray sh



4 g to dk, dd f fos dy lst

wh, c, dd f, dd f.

3100

fos lst interbedded With v. col sh

Ctw Fusul Zone 3198

98

3200

Ctw

fusul and fragments c-dd f suc to f. xln sl, dolo lst; v. col sh

Neva 3235

35

N

wh to g, dse thin-bedded lst

v. col sh

dk g to blk sh

95

Ad

lt g, dse lst. wh, sm sub opq

3300

v. col sy sdy sh

c, g, dd f, dy. wh sm sub opq

g, gt

v. col sdy mica sh

c g, dse

c-g, dd f, dy

g, dd f, sdy shaly lst

3400

v. col sdy sh with thin bed lt g to dk, dse lst

48

WAB

48 **Wabaunsee 3448**

lt g to g dd, dd f fos

3500

v. col sh

g, dd f, dd f, oo lst

v. col sh

lt g dd f fos sl dolo lst

g sl, dy in pt

lt g to dd f near base mottled

c g, dd f

3600

lt g to dd f, dd f fos

v. col shaly sh

c-g, dd f, oo

v. col sh

rd blk sh

lt g, dd f.

3700

dy in pt.

pp por in c-g, suc to f. xln dy dolo lst

frmly oocastic in pt

3800

v. col, sdy, silty mica sh

22

Shaw

22 thin ind-f, dy

Tp 3822

c g, dd f thin bedded sh g

c dd f, dd f, dy

lt g to lt dd f suc to f. xln

3900

dy sl dolo lst. frmly ooc. in pt.

v. col silty sh

c-g, dd f, dy, sdy lst

pp ooc por in pt

c-g dd f, dy

4000

dk g, dd f, fx lst

g dd f, dd f, dy

c-dd f suc to f. xln dy sl dolo lst. scat occ pp por.

thin beds g-dd f, dse lst dy lst in dk g sh

4100

dk g to blk sh

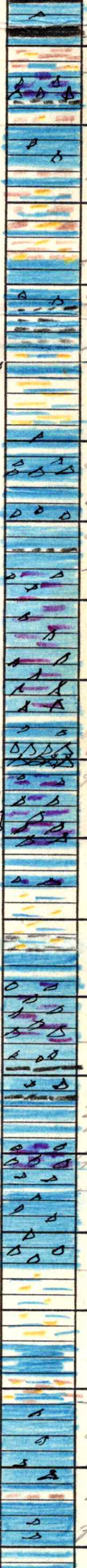
lt g to dd f, suc to f. xln dy sl dolo. lst

4200

g, silty limy sh

c, g, dd f, dd f, dy

Hbnr Sh 428



86

4300

[illegible] sli dy
g [illegible]
g [illegible] dse

v. cal Z silty Zmy sh
v. lt g. sub f. xln dy Sli dolo lst
dk g sh dse
v. cal Z sli silty sh

50
LANS

lt g [illegible] f. sli dy

v. g [illegible]
v. cal silty Zmy micac Sh

4400

Ls 4436

Ls

lt. g dse
c-g dse sli dy lst
[illegible] g sh [illegible] g dse lst
g, silty Zmy sh

4500

g, lt f. faintly ooc, lst
g sdy Zmy micac sh
g lt dse sli dy
lt g f. lt, lt, dy
g, lt
c-g [illegible] lt dy

4600

c [illegible] blk sh

lt. g to lt, suc, dse
f. xln more or less
dy sli dolo lst

4700

g, lt sli dy
c-g, lt, profosely dy
g lt, suc to f. xln dy sli dolo
c-g, suc, poor ooc dy [illegible] lst

56
Kc

4800

c-g, dse
g, suc to f. xln dy sli dolo
g, silty Zmy micac sh
sli is dk g at base
lt. g to lt, lt.
lt. g to lt, suc to f. xln

4900

dy sli dolo lst, scat
ooc + pp por
lt. g [illegible] dy
dk g to blk sh
g lt fos
lt, g lt

5000

[illegible] vuggy por in lt. g
[illegible] suc to f. xln dy dolo
g, lt, sli dy sli ooc [illegible]
c-lt, lt dy
scat ooc por

BKC 5074

74
g, silty Zmy micac sh

5100

g, [illegible] brn dse silty lst
v. cal silty Zmy micac sh

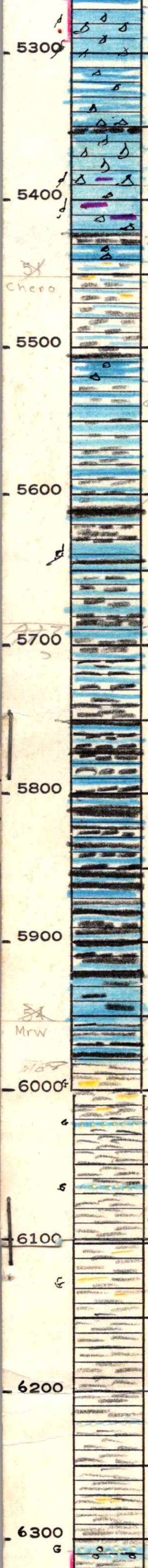
57
MARM

Mrm 5160

c-lt, g [illegible] sli dy lst
fos [illegible]
scat [illegible]

5200

v. cal Zmy sh
lt. g to lt [illegible]
profuse [illegible] ooc
ooc [illegible] sli dy
v. [illegible]



Ls, g to brn, dns, foss, sy Lst. [illegible] ooc [illegible] faint oil stn

Lt, bc shly sy Lst

dk g to blk Sh

[illegible] Lt g to brn, dns, sy Lst. sli [illegible] oolitic

Cherokee 5442

dk g to blk Sh [illegible] shly sy Lst

42

dk g [illegible] Sh. sli silty at top

blk Sh. Lt g to brn, dns. shly sy Lst

Lt g, lt brn dns Lst inter-bedded with dk g micac Sh

blk Sh. [illegible] dk g to blk Sh [illegible] ooc [illegible] Lst [illegible] interbedded with dk g Sh

88

Atoka? 5688

dk brn dns to sucrosic Lst interbedded with dk g to blk Sh

brn lithographic to sucrosic shly Lst.

54

Lst as above interbedded with dk g to blk Sh.

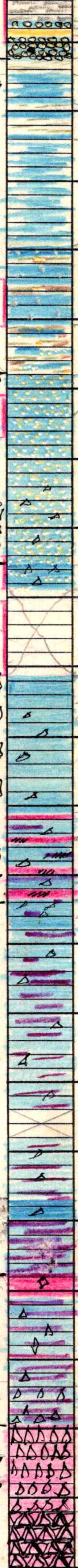
82

Morrow 5982

Sh; dominantly dk gray, blocky to splintery, sub micaceous, partly pyritic with streaks [illegible] tight glassy [illegible]. [illegible] few thin beds of [illegible] glauconitic, phosphatic Lst.

Miss (Chester) 6362

03 [illegible]



sh as above
35 g. xln fos lst with imb. ...
40 g & sdy, light to friable ...
47 ...
62 fos, g. oolitic lst
dk greenish gray sticky to flaky sh
73 lt g to ... fos lst
silty lst ... in part

62
C
Chest

6400

sh & lst as above

H

thin-bedded, shly, g, dse to xln fos lst.

E

6500

g, lt & lt brn
lithographic to xln fos sdy lst interbedded with v. col. sh, sdy sh

S

T

v. col lmy sl sdy sh.

E

R 90

90 lt g to buff f. gran, freely arenaceous, compact, micro-ool. lst

S 6600
T
E.

G
E
N
E
V
I

lt g & pink sm. glossy sub-translucent Δ in lst.

E 6700
V
E

26 ... sl sdy, med to co. ool lst with incl. g,
44 sm, sub-translucent Δ

— 26
S
54
St L
A

No core cuts — see ... core description

6800

06 lt g, buff lst, med to coarse oolites in pt

I
N
T

g & pink sm. sub op Δ in pt

L 6900

05 lst as above but with ... lt to ... traces of anhydrite in some of the dolomite

O
U
I
S

68 g & dk brn, suc, finely med to co. xln fos dol lst
wh & g, op to subop fos Δ

— 70
Sper
S 7000

samples very poor in part!

P

56 ... occasional zone of fairly abundant but indistinct crinoids

E

7100

skip

R

G

85 lst profusely fos, g

E 7200
War
N
?
— 38
W
A
R

coquina-like lst with interbedded lt suc dol
lst is ... most
38 ... part
... fos dolo - trace ...
... fos
highly dolomitic lst
... qtz & g most of fos Δ

S 7300
A
Osage
W

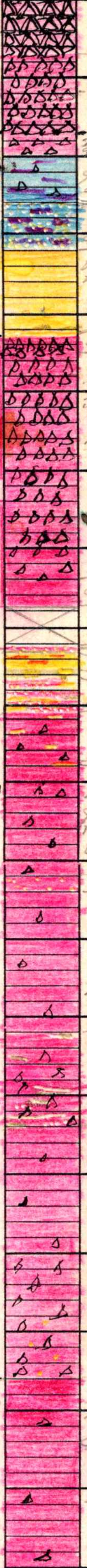
20 ... as above with most fairly abundant Δ with abundant spines
of ...
48 moderately abundant ... g, op ... fos ...
suc fine & med xln dol
traces of glauconite

— 48
05
O

S 7400

Δ is much more abundant
Δ is sm. & subop ...

A



G
A
N
KINDERHOOKIAN

10
Kh

—85 2.9 f-med Xln

7500

vuggy por. as above with
fairly abundant wh &
lt. bluish-dark gray-sm
sp to sub sp ∆

—35 —85

rhombic mineral, dolo & speckley-dark-
gray sub sp ∆ in [illegible] med Xln por dolo
—55
g.dk f to co Xln for sl. dolo
with [illegible]
[illegible]
—90
9-50 f. grn, tight, finely ∆

7600

arenaceous dolomitic dol
—10
wh & g f.g. partly speckled, sbl
to subrd, tight glassy sst.

Viola 7665

sst is slightly [illegible]
—65
—65
dark-gray sm sb sp ∆ in gd-
—75 med Xln dolo
dolomite: dominantly

7700

brown, med Xln & by
chert are dark-gray,
tan & brown, sm, sb sp
to sub sp

Sn 7860 (or higher in skip)

7800

—20 7.9 tan & dk f med to
co Xln dolo. Little or no ∆
—30
No core cuts - see Mobil's core
descriptions

63
Simp

[illegible] green shy sh
[illegible]
[illegible] thin bedded [illegible]

7900

05
Arb

—05 shly, sdy dolo & dolomitic sst
007. ∆ in 4.9 tan f.f. dolo
sdy, med & co. Xln sl. sdy dolo
—40 [illegible]
4.9 f.dk med to co Xln
partly tripolitic dolo with
included light gray

8000

wh. sm. [illegible] partly oolitic ∆
[illegible]

4.9 tan, dk, f to c.
Xln, more or less
tripolitic dolo. wh
g, opaque or partly oolitic ∆

Arb 7905

8100

dolo: same as above but
with thin partings green
clay & argillite in part
some of dolomite is [illegible]

dolo 7.9 lt. tan
as above but [illegible]

8200

with crystallinites
becoming coarser
& with better
vuggy porosity
∆ dominantly wh.
opaque and partly
oolitic. oolites

8300

tend to be much darker
than matrix

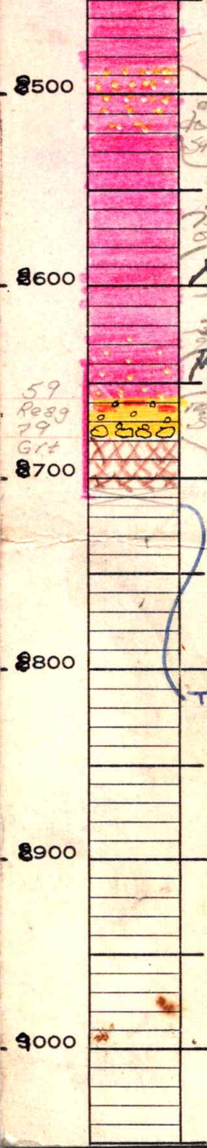
?

Cambrian? 8330

7.9 f. to co. Xln to
rhombic, tripolitic
dolo. fair to good
vuggy por. very

8400

little ∆ & what there is
seems to be wh. opaque
& non-oolitic with
[illegible] small



dolomite stringers

75 same as above
wh. cream, mealy & fxln
80

off wh cream mf to co xln dolo with embedded f to co. sorted frosted sd. grs.

20
9-ft co. xln to rhombic dolo. Trip. olitic in part

Paleozoic Basal Sst

8659

25 ft co. xln & sdy dolo

Pre-Camb Granite 8679

59
Subl quartz pebbles in wh. f to med g. sub a to sub-rd & frosted, tight friable sst. dolomitic at top
79

Fresh looking qtz, pink feldspar & biotite mica with trace magnetite

SAMPLES TO 8705'

TOTAL DEPTH 8714'
2040
6674